

Answer to Co-Editor and Reviewers : acp-2016-900

We thank the Co-Editor for his comments. We answered below to all the points. The comments are in italic font while our answers appear in blue normal font. Changes made to the original version of the paper appear in track-change mode on the enclosed pdf.

Comments to the Author:

Thank you for making those revisions. I think the text is now in acceptable shape for the most part.

Here are my (hopefully) last round of requested edits:

**** Most importantly, the font (words or numbers of both) on your figures is still too small in many places. Figs 1, 2, 9, 10, 13, A.1, A.2 all clearly need to be fixed, though almost all your color map axis/colorscale values probably need to be larger. I've requested this before and you didn't really fix the problem. Please fix all of these to be suitably readable. ****

This has been corrected.

In addition:

1. Please state clearly that simulated drop concentrations are much larger than observed (possibly at the top of p. 10). This is an important caveat, and also something that readers would wonder if they examine Fig. 6b.

A sentence has been added at the beginning of 3.2: « The vertical and temporal variations of simulated N_c can be studied as the LWP is realistic, but values of N_c must be carefully considered as a first comparison to near-surface measurements clearly shows an overestimation of simulated values. »

2. The lines, colors and dashes are not consistent in Figs. 2 to 5. For example, you have 3 sets of curves in Fig. 2 with colors black, purple and green. In Fig. 3 your 3 colors are black, red and blue. In Fig 2, obs vs model are solid vs dashed while colors are for different altitudes. But in Fig 3 this is opposite, with obs vs model are different colors, while solid vs dashed is for different altitudes. Make your curves consistent across all these line figures.

This has been corrected.

3. Fig. 9c seems to have a different color bar than all the other colormap figures. Make it the same.

This has been corrected.

4. Go through your references and carefully edit it for errors. For example the Porson and Price citations both have “i” or “ii” where it should be “I” or “II”. Lafore citation uses “Vol” where it should be boldface.

This has been revised.

5. All your references use the full name of the journal. Change every one to the proper abbreviated version, so ACP = Atmos. Chem. Phys. instead of fully spelled out.

This has been revised.

6. On Figures 2 to 5 and Fig. 12, please add error bars for the observational curves. It may be easier to do a lightly shaded area rather than bars for every point since your data has such a high time resolution.

Grey areas have been added to the observational curves.

Thank you again for the time and the effort you have put into the correction of the paper.